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34869913.m EHLGRGTRT IY SCLLDYK DDEGIAEE KPKVVKVLDL SHRDISLAFFEAASMMRQVSHRHIVLYCVCVRDVENIMVEFVECGELDLFMRKSDALTTPKEKVAQQLASALSYLEDKLVLHGNCVKKNLLREGIDSDIGPFIKLSDPPIPVSVLTRECEIERTIPWIAPECVED-SKN
22164788.m EHLGRGTRT IY SCLLDYK DEEGIAEE KPKVVKVLDL SHRDISLAFFEAASMMRQVSHRHIVLYCVCVRDVENIMVEFVECGELDLFMRKSDALTTPKEKVAQQLASALSYLEDKLVLHGNCVKKNLLREGIDSDIGPFIKLSDPPIPVSVLTRECEIERTIPWIAPECVED-SKN
JAK1.h EHLGRGTRT IY SCLLDYK DDEGCTSEE KPKVVKVLDL SHRDISLAFFEAASMMRQVSHRHIVLYCVCVRDVENIMVEFVECGELDLFMRKSDALTTPKEKVAQQLASALSYLEDKLVLHGNCVKKNLLREGIDSECPFPFIKLSDPIPVSVLTRECEIERTIPWIAPECVED-SKN
9055372.m SHLQGQTETIVYVGGCLLRRVGG PDEGVKDNGCPPEPGGTSGQORVVLKVLDSHH DIALAFYEXEASLMSQSVSHAFLGCVCRVSENIIJEFVPLVPLDIIRRORGVPMTKHMVAQQLASALSYLEDKLVLHGNCVKKNLLREGIDSECPFPFIKLSDPIPVSVLTRECEIERTIPWIAPECVED-SKN
27663656.m SHLQGQTETIVYVGGCLLRRVGG PNEGVKDSCGSPGPDGRGQORVVLKVLDSHH DIALAFYEXEASLMSQSVSHAFLGCVCRVSENIIJEFVPLVPLDIIRRORGVPMTKHMVAQQLASALSYLEDKLVLHGNCVKKNLLREGIDSECPFPFIKLSDPIPVSVLTRECEIERTIPWIAPECVED-SKN
TYK2.h SHLQGQTETIVYVGGCLLRRVGG PDEGVKDNGCPPEPGGTSGQORVVLKVLDSHH DIALAFYEXEASLMSQSVSHAFLGCVCRVSENIIJEFVPLVPLDIIRRORGVPMTKHMVAQQLASALSYLEDKLVLHGNCVKKNLLREGIDSECPFPFIKLSDPIPVSVLTRECEIERTIPWIAPECVED-SKN
6754394.m ENLHCQGSTPCKFRRRREVVD GETHDSEVLLKVMDSHR NCMESSLEAASLMSQSVSHAFLGCVCRVSENIIJEFVPLVPLDIIRRORGVPMTKHMVAQQLASALSYLENKLVLHGNCVKKNLLREGIDSECPFPFIKLSDPIPVSVLTRECEIERTIPWIAPECVED-SKN
6981114.m ENLHCQGSTPCKFRRRREVVD GETHDSEVLLKVMDSHR NCMESSLEAASLMSQSVSHAFLGCVCRVSENIIJEFVPLVPLDIIRRORGVPMTKHMVAQQLASALSYLENKLVLHGNCVKKNLLREGIDSECPFPFIKLSDPIPVSVLTRECEIERTIPWIAPECVED-SKN
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6680508.m ESLQGQTETIKFKCVRREVDGY GQLEKBEVLLKVLDSHH NCMESSFEAAASMSLSQSHFHLLVANNGCVCVCEENILVQEFVKFESLDITYLKKNNKINILALXLGVALQALAMBLFLEEKSLIHGNVCAKNILLREEDRKTQNPFIKLSDPISITVPLKIDLERIPWVEPECIEN-PKN
13928696.m ESLQGQTETIKFKCVRREVDGY GQLEKBEVLLKVLDSHH NCMESSFEAAASMSLSQSHFHLLVANNGCVCVCEENILVQEFVKFESLDITYLKKNNKINILALXLGVALQALAMBLFLEEKSLIHGNVCAKNILLREEDRKTQNPFIKLSDPISITVPLKIDLERIPWVEPECIEN-PKN
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18858917.d ESLQGQTETIKFKCVRREVDGY GEVKRKEVVMKILDNSHR NYTEVYKFCRREVDGY SLDITYLKKNNKINILALXLGVALQALAMBLFLEEKSLIHGNVCAKNILLREEDRKTQNPFIKLSDPISITVPLKIDLERIPWVEPECIEN-PKN
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31221876.i PNAVEDESDYTKRTTRADFLIP NNSKEVILKLLKNEKECEYKLKDLOWAGWA IDSIDITKLYGMVCK PITMDEFPRYRDLDFIRTRRTS V RTPAHEITGHALARALYVYLOKHGIIHCHIRCSSMLVQYD EGEQRVLAKEGDPMSMQQRLLTQHDLIWPYEVODLSSESVAR
24641273.f PDSISLSDDEGMFTMTRDWDQOQ

1200

34869913.m L-SVAKKNSFCPTLIEICY NGEPDKPDKTTLIEKPFYPSRQRPVTPSKELADLMTRCMYDNPQFPRAIMRDTINKDDEEQNPDIVS EKQPIIT EVDPFTPEKFLRKKIRD
22164788.m L-SVAKKNSFCPTLIEICY NGEPDKPDKTTLIEKPFYPSRQRPVTPSKELADLMTRCMYDNPQFPRAIMRDTINKDDEEQNPDIVS EKQPIIT EVDPFTPEKFLRKKIRD
JAK1.h L-SVAKKNSFCPTLIEICY NGEPDKPDKTTLIEKPFYPSRQRPVTPSKELADLMTRCMYDNPQFPRAIMRDTINKDDEEQNPDIVS RKKNQPT ASDEPTVKEYLKLRKIRD
9055372.m L-GTAADDNGCFATLIEICF DGEAPLOGRGPSPKSEKPFYKKHQLDPEPPSSPELNTROCLYDPAQEPSPFTLIRDQPTQNLVCTEAVNSDSP ASDEPTVKEYLKLRKIRD
27663656.m L-GTAADDNGCFATLIEICF DGEAPLOGRGPSPKSEKPFYKKHQLDPEPPSCPELNTROCLYDPAQEPSPFTLIRDQPTQNLVCTEAVNSDSP ASDEPTVKEYLKLRKIRD
TYK2.h L-STAKNDNGCFATLIEICF DGEAPLOSRSPEPKSEKPFYFYDQRLPTEPSCPCLANLTSCLYDPAQEPSPFTLIRDQPTQNLADLTVNRDSP AVCPTEPKYLKLRKIRD
6754394.m L-CLEADKNGCFATLIEEVTS GGPAPHTITSLEPAKKKPFYDQCOLPAWKTELALITOCMMDYDGPGRPEPSFRAILRDLNGLTSDELLSDPTPQGIFSPRDELCGGAQLYA CQDPAPIEERHLKRYISL
6981114.m L-NLEADKNGCFATLIEEVTS GAMPHTITSLEPAKKKPFYDQCOLPAWKTELALITOCMMDYDGPGRPEPSFRAILRDLNGLTSDELLSDPTPQGIFSPRDELCGGAQLYA CQDPAPIEERHLKRYISL
JAK3.h L-SLEADKNGCFATLIEEVTS GVTIMPSSALDPAKKLQFYYDRDQQLPAWKTELALITOCMMDYDGPGRPEPSFRAILRDLNGLTSDELLSDPTPQGIFSPRDELCGGAQLYA CQDPAPIEERHLKRYISL
6680508.m L-NLAADKNSFCPTLIEICS GGDPKPSALDSORKLQFYYDKHQLPAWKTELALINNCMMDYDGPGRPEPSFRAILRDLNGLTSDELLSDPTPQGIFSPRDELCGGAQLYA DRDPTEFEERHLKFLQ
13928696.m L-TLAADKNSFCPTLIEICS GGDPKPSALDSORKLQFYYDKHQLPAWKTELALINNCMMDYDGPGRPEPSFRAILRDLNGLTSDELLSDPTPQGIFSPRDELCGGAQLYA DRDPTEFEERHLKFLQ
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18858917.d L-SLAADKNSFCPTLIEICS GGEOPPAAYDTAKKLFYDQHQLPAWKTELAVINS CMYDPLHPSFSRALLRDLNLSYTDPYDLYLIES-DTVP-SHRGPGLAGAFE SGBTPTFORHLIFLQL
1ir3_A 31221876.i PRADPAADACTSTLIEIFSR GIKMHSYKPAEFLPPTKQLQTMPPELKDSKOTYECILSCGWHADPDKLAQTTVGLDVHARQDGSYCIVNGHVNNGHSTSMLNGSFVKSILS METNSTLIRSRTDCTSSYVNSGSDSELRSNASSGSSSLPLLSNSTINRFSGDSYYEKFVNCSDYIOLSGSERIIFHNM
24641273.f AKTDQFAQLAFATITVIEIFSRCKEDLSTLRQEQLRKCNLDGNIILKMDQDICAFLIFETIMDGWSDDETKRFBSHDIFSRNQTKAEILPNYMPPEIATNGTQDGETVIDRSDIPFLPFPREN MLMVILPTSECRCVINYMNEM

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34869913.m LGCEHFKVELCRYDPDGDNITGQVAVKELKPESGGNHILDKKEEILRNLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-QVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
22164788.m LGCEHFKVELCRYDPDGDNITGQVAVKELKPESGGNHILDKKEEILRNLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-QVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
JAK1.h LGCEHFKVELCRYDPDGDNITGQVAVKELKPESGGNHILDKKEEILRNLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-QVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
9055372.m LGCEHFKVELCRYDPDGDNITGQVAVKELKPESGGNHILDKKEEILRNLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-QVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
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TYK2.h LGCEHFKVELCRYDPDGDNITGQVAVKELKPESGGNHILDKKEEILRNLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-QVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
6754394.m LGCEHFKVELCRYDPDGDNITGQVAVKELKPESGGNHILDKKEEILRNLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-QVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
6981114.m LGCKNFNSVCELCRYPDPLQNTGEVVAVKLQHSTEEHLRDFREIEILKSLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-AVKIADEDFGLKLPQDKDYYVVRDGSIF YAPAECLQKFIYASDV SFQCVTLYELDT
JAK3.h LGCKNFNSVCELCRYPDPLQNTGEVVAVKLQHSTEEHLRDFREIEILKSLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-AVKIADEDFGLKLPQDKDYYVVRDGSIF YAPAECLQKFIYASDV SFQCVTLYELDT
6680508.m LGCKNFNSVCELCRYPDPLQNTGEVVAVKLQHSTEEHLRDFREIEILKSLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-AVKIADEDFGLKLPQDKDYYVVRDGSIF YAPAECLQKFIYASDV SFQCVTLYELDT
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JAK2.h LGCKNFNSVCELCRYPDPLQNTGEVVAVKLQHSTEEHLRDFREIEILKSLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-AVKIADEDFGLKLPQDKDYYVVRDGSIF YAPAECLQKFIYASDV SFQCVTLYELDT
18858917.d LGCKNFNSVCELCRYPDPLQNTGEVVAVKLQHSTEEHLRDFREIEILKSLHENVLYKQICMDEGGNGKUIMFLPQGSKLKEYLPKNNKNDLNQDLYKA1QICKMDYLGSRQVYHDLAARNVLVSE H-AVKIADEDFGLKLPQDKDYYVVRDGSIF YAPAECLQKFIYASDV SFQCVTLYELDT
1ir3_A 31221876.i LGCEHNYRVRGRTIERNQAPRVALKTTIYDPRDPLGRVYKDDPRFREVDIMNLHPTNIVFPLICFIELDVKWVYVPLQSLISLAYLGYRVEKELDLLNWARDIANMNLICPQVHDLAARNVLVSE PTLEMINTQAAEIAAD-MAYLNAKFKVHDLAARNVLVSE H-FTVKIGDGFCLKAEITDKEYITVDDRDSPFVYAPAECLQKFIYASDV SFQCVTLYELDT
24641273.f LGCHYHCVYKQHDFNDRQFREQVAIQLNT MCVSADPFRTEIIMRFLPENIVKFKT-YWAQSKHSCIIMETLQSQSFIDYIYRFTAIPNNNRLVSFALDIANSMKYLSDMGHFLHDLAARNVLVSE H-HQGDGCVKISDFCQFAN-SDGTYWAKSKRDFIYRYSPEAISTORFSSYSDV SYCVTLYELDT

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34869913.m YCDSDFEPMALFKRMIC-PHEGOMTIVRLVNLK EGRKLSCPCPNCPDEVYQMLRKCEFOPSNRIFDFTONLIEBGEALKL...
22164788.m YCDSDFEPMALFKRMIC-PHEGOMTIVRLVNLK EGRKLSCPCPNCPDEVYQMLRKCEFOPSNRIFDFTONLIEBGEALKL...
JAK1.h YCDSDFEPMALFKRMIC-PHEGOMTIVRLVNLK EGRKLSCPCPNCPDEVYQMLRKCEFOPSNRIFDFTONLIEBGEALKL...
9055372.m YCDNSCPHMKFIEIIC-HTQGOMTIVRLTTELLE RCGRLPRPDRCPCEIYHLMNCSDEASERPRPFTQNLVPLILQTAOEKYQGQVPSVFSVC...
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TYK2.h YCDNSCPHMKFIEIIC-HTQGOMTIVRLTTELLE RCGRLPRPDRCPCEIYHLMNCSDEASERPRPFTQNLVPLILQTAOEKYQGQVPSVFSVC...
6754394.m YCDNSCPABFLRMICPEREG-PPIORCLLLELLA-EGRKLSCPCPNCPDEVYQMLRKCEFOPSNRIFDFTONLIEBGEALKL...
6981114.m YSDNSCPSTEFLRMICPEREG-SPICLLELLA-EGRKLSCPCPNCPDEVYQMLRKCEFOPSNRIFDFTONLIEBGEALKL...
JAK3.h YCDNSCPBAEFLRMICCEFDV-PACRCLLLELLA-EGRKLSCPAPCPAEVIBLMKLCAPSPQDRPSFSALGPQDLMWGSERGCETHAFTAHPEGKHHSSLFS...
6680508.m VIEBSKPPVBFMNCNDKQGOMIVHLLIELLLK-SNCGLPPECPDEIXVIMTEC-NNNNVNSCRPSFRLDSLGPQDWIKCGTV...
13928696.m VIEBSKPPVBFMNCNDKQGOMIVHLLIELLLK-SNCGLPPECPDEIXVIMTEC-NNNNVNSCRPSFRLDSLGPQDWIKCGTV...
JAK2.h VIEBSKPPVBFMNCNDKQGOMIVHLLIELLLK-SNCGLPPECPDEIXVIMTEC-NNNNVNSCRPSFRLDSLGPQDWIKCGTV...
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1ir3_A LAEQPYQOG-LSNEQVLSK-W-DCYLDQPCPNEVPLDLMNCQFNPKNPQFPELRLHPSFPEVFFHSEENK-
31221876.i YGATPYSHVD-VKSAQQIYQOLLRTKLLQPLDFPSXYDCKLMAPEKRDPHFRMTCRPLDLMNCQFNPKNPQFPELRLHPSFPEVFFHSEENK-
24641273.f RGEEEPNLVP-IQTSQEDSLNRLQ-SGCHLNPASCPDPFLCQATPFRPSPFATIIVDII-REVATKVTHTPDGHQSPPNPQPTDAE-